

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

(X) Original

( ) Supplemental

( ) Substitute

( ) PCT

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention "**POLYESTER NANOCOMPOSITES FOR HIGH BARRIER APPLICATIONS**" which is described and claimed in the specification

(check one)  which is attached hereto, or  
 which was filed on, as United States Application No. and with amendments through (if applicable), or  
 in International Application No. PCT \_\_\_\_\_ /, filed \_\_\_\_\_, and as amended on \_\_\_\_\_ (if applicable).

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose all information known by us to be material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

We hereby claim foreign and/or international priority benefits under Title 35, United States Code, §§ 119 and/or 365 of any foreign application(s) for patent, inventor's certificate and/or PCT application listed below and have also identified below any foreign application for patent or inventor's certificate relating to this subject matter having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATIONS: (ENTER BELOW IF APPLICABLE)			PRIORITY CLAIMED (MARK APPROPRIATE BOX BELOW)	
APP. NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	YES	NO

We hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose all information known by us to be material to the patentability of the claims of this application as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS (MARK APPROPRIATE COLUMN BELOW)		
		PATENTED	PENDING	ABANDONED
08/995,178	December 22, 1997		X	

We hereby appoint the following attorneys and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Rose M. Allen	Reg. No. 35,424	Karen A. Harding	Reg. No. 33,967
Michael J. Blake	Reg. No. 37,096	Charles R. Martin	Reg. No. 25,002
Betty J. Boshears	Reg. No. 33,864	Matthew W. Smith	Reg. No. 35,366
Bernard J. Graves	Reg. No. 33,239	Cheryl J. Tubach	Reg. No. 38,346
Harry J. Gwinnell	Reg. No. 29,000	Jonathan D. Wood	Reg. No. 39,076

And

William H. Needle	Reg. No. 26,209	D. Andrew Floam	Reg. No. 34,597
Sumner C. Rosenberg	Reg. No. 28,753	Bradley K. Groff	Reg. No. 39,695
David G. Perrymann	Reg. No. 33,428	Matthew D. Josephic	Reg. No. 43,699
Mitchell A. Katz	Reg. No. 33,919	Janice A. Kimpel	Reg. No. 42,734
Gregory J. Kirsch	Reg. No. 35,572	Tina W. McKeon	Reg. No. 43,791
Gwendolyn D. Spratt	Reg. No. 36,016	Mary L. Miller	Reg. No. 39,303
Nagendra Setty	Reg. No. 38,300	Mark A. Murphy	Reg. No. 42,915
Allan A. Altera	Reg. No. 40,274	Clark G. Sullivan	Reg. No. 36,942
Bryan W. Bockhop	Reg. No. 39,613	Elket V. Swope	Reg. No. 40,195
Kean J. DeCarlo	Reg. No. 39,954	Lawrence A. Villanueva	Reg. No. 43,968
LaVonda R. DeWitt	Reg. No. 40,396	Mark A. Westhafer	Reg. No. 42,220

Address all telephone calls to Mitchell A. Katz at telephone number (404) 688-0770.

Address all correspondence to:

Mitchell A. Katz  
NEEDLE & ROSENBERG, P.C.  
Suite 1200, The Candler Building  
127 Peachtree Street, N.E.  
Atlanta, Georgia 30303-1811

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Robert Boyd Barbee

Inventor's signature: Robert B Barbee Date: 6/18/99  
Residence: 500 Rambling Road, Kingsport, Tennessee 37663  
Post Office Address: SAME AS RESIDENCE  
Citizenship: USA

Full name of inventor: James Christopher Matayabas, Jr.

Inventor's signature: J.C. Matayabas, Jr. Date: 6/18/99  
Residence: 3429 Wesley Road, Kingsport, Tennessee 37664  
Post Office Address: SAME AS RESIDENCE  
Citizenship: USA

Full name of inventor: Jack Wesley Trexler, Jr.  
Inventor's signature: Jack Wesley Trexler, Jr. Date: June 18, 1999  
Residence: 1004 South Page Place, Kingsport, Tennessee 37660  
Post Office Address: SAME AS RESIDENCE  
Citizenship: USA

Full name of inventor: Rodney Layne Piner  
Inventor's signature: Rodney Layne Piner Date: June 18, 1999  
Residence: 1301 Jackson Hollow Road, Kingsport, Tennessee 37663  
Post Office Address: SAME AS RESIDENCE  
Citizenship: USA

W020499

05015.0271

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

( ) Original (X) Supplemental ( ) Substitute ( ) PCT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "**NANOCOMPOSITES FOR HIGH BARRIER APPLICATIONS**", which is described and claimed in the specification

(check one) [ ] which is attached hereto, or  
[X] which was filed on June 22, 1999, as United States Application No. 09/338,222 and with amendments through July 23, 2001 (if applicable), or  
[ ] in International Application No. PCT/, filed, and as amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known by me to be material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATIONS: (ENTER BELOW IF APPLICABLE)			PRIORITY CLAIMED (MARK APPROPRIATE BOX BELOW)	
APP. NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	YES	NO

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APPLICATION NUMBER	FILING DATE

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Bernard J. Graves, Jr.	Reg. No. 33,239	Jonathan D. Wood	Reg. No. 39,076
William H. Needle	Reg. No. 26,209	Kean J. Decarlo	Reg. No. 39,954
Summer C. Rosenberg	Reg. No. 28,753	Wesley B. Derrick	Reg. No. 46,659
David G. Perryman	Reg. No. 33,428	LaVonda R. DeWitt	Reg. No. 40,396
Mitchell A. Katz	Reg. No. 33,919	Lizette M. Fernandez	Reg. No. 46,694
Gregory J. Kirsch	Reg. No. 35,572	Robert A. Hodges	Reg. No. 41,074
Gwendolyn D. Spratt	Reg. No. 36,016	Jacqueline M. Hutter	Reg. No. 44,792
Nagendra Setty	Reg. No. 38,300	Lawrence D. Maxwell	Reg. No. 35,276
William R. Johnson	Reg. No. 32,875	Tina W. McKeon	Reg. No. 43,791
Mary L. Miller	Reg. No. 39,303	Jennifer P. Medlin	Reg. No. 41,385
Mitchell G. Weatherly	Reg. No. 40,864	Mark A. Murphy	Reg. No. 42,915
Charles H. Fails	Reg. No. 37,616	Lawrence A. Villanueva	Reg. No. 43,968
Patricia L. Ades	Reg. No. 44,496	Tim T. Xia	Reg. No. 45,242
Shari Corin	Reg. No. 46,243		

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127 Peachtree Street, N.E.  
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Full name of inventor: ROBERT BOYD BARBEE

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 500 Rambling Road, Kingsport, Tennessee 37663

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: JAMES CHRISTOPHER MATAYABAS, JR.

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 3429 Wesley Road, Kingsport, Tennessee 37664

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: JACK WESLEY TREXLER, JR.

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1004 South Page Place, Kingsport, Tennessee 37660

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: RODNEY LAYNE PINER

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: 1301 Jackson Hollow Road, Kingsport, Tennessee 37663

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: JOHN WALKER GILMER

Inventor's signature: John Walker Gilmer Date: Nov. 12, 2001

Residence: 2624 Wildwood Drive, Kingsport, Tennessee 37660

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: GARY WAYNE CONNELL

Inventor's signature: Gary Wayne Connell Date: Nov. 12, 2001

Residence: 212 Gilda Avenue, Church Hill, Tennessee 37642-3101

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: JEFFREY TODD OWENS

Inventor's signature: Jeffrey Todd Owens

Date: November 12, 2001

Residence: 117 Willowbrook Drive, Kingsport, Tennessee 37660-7581

Post Office Address: Same as residence

Citizenship: United States of America

Full name of inventor: SAM RICHARD TURNER

Inventor's signature: Sam Richard Turner

Date: November 12, 2001

Residence: 1037 Sussex Drive, Kingsport, Tennessee 37660

Post Office Address: Same as residence

Citizenship: United States of America